

Odegard Resources, Inc.

3070 ONE DENVER PLACE
999 18TH STREET
DENVER, CO 80202

303-623-4732

August 29, 1981

RECEIVED

AUG 31 1981

DIVISION OF
OIL, GAS & MINING

U. S. Geological Survey
Mr. Edgar Guynn, District Engineer
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84138

Re: Filing NTL-6 and A.P.D. Form 9-331C
Odegard Resources, Inc.
ARCO - Federal #2
Sec. 35 T15½S R24E
1000' FSL & 1300' FEL
Grand County, Utah

Dear Mr. Guynn:

Enclosed are five copies of the NTL-6 program and A.P.D. Form 9-331C for the above-referenced well location.

Please notify Don Dunckley at (303) 243-3846 when you have arranged a time with the B.L.M. to inspect the site, in order that he may be present during the inspection.

The archaeological report is not included with the NTL-6 but will be forwarded to your office, and to the B.L.M. office, under separate cover.

This application will also serve as application for right-of-way grant for the portion of the access road and the pipe line shown on the attached map.

Sincerely yours,


Donald R. Dunckley

cc: Cameron Downey, Odegard Resources, Inc., Denver, Colorado
Galley Construction Co., Grand Junction, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Odegard Resources, Inc.

3. ADDRESS OF OPERATOR

3070 One Denver Place, 999-18th Street, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1343' FSL & 1643' FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Location is 59.9 miles from Fruita, Colorado

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1343'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

454.24

19. PROPOSED DEPTH

7150'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

227.12

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7752' GR

22. APPROX. DATE WORK WILL START*

December 1, 1981

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" New	36# K-55 8rd	200'	200 sx. Class "G" w/ 2% CaCl
8-3/4"	7" New	23# K-55 8rd	3500'	Class "G" w/ 2% CaCl
6-1/4"	4-1/2" New	11.6# N-80 8rd	7150'	50-50 poz w/ 2% Gel, 5% KCL

1. Drill 12-1/4" hole and set 9-5/8" surface casing to 200' with good returns.
2. Drill 8-3/4" hole and set 7" intermediate casing and cement.
3. Log B.O.P. checks in daily drill reports and drill 4-1/2" hole to 7700'.
4. Run tests if warranted and run 6-1/4" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED

Location and Elevation Plat
The Ten-Point Compliance Program
The Blowout Preventer Diagram
The Multi-Point Requirements for A.P.D.
Access Road Maps to Location
Radius Map of Field
Drill Pad Layout, and Cut-Fill Cross Sections
Drill Rig Layout

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

DONALD R. DUNCKLEY

(This space for Federal or State office use)

TITLE

Engineer

DATE August 29, 1981

PERMIT NO.

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE: 10-5-86

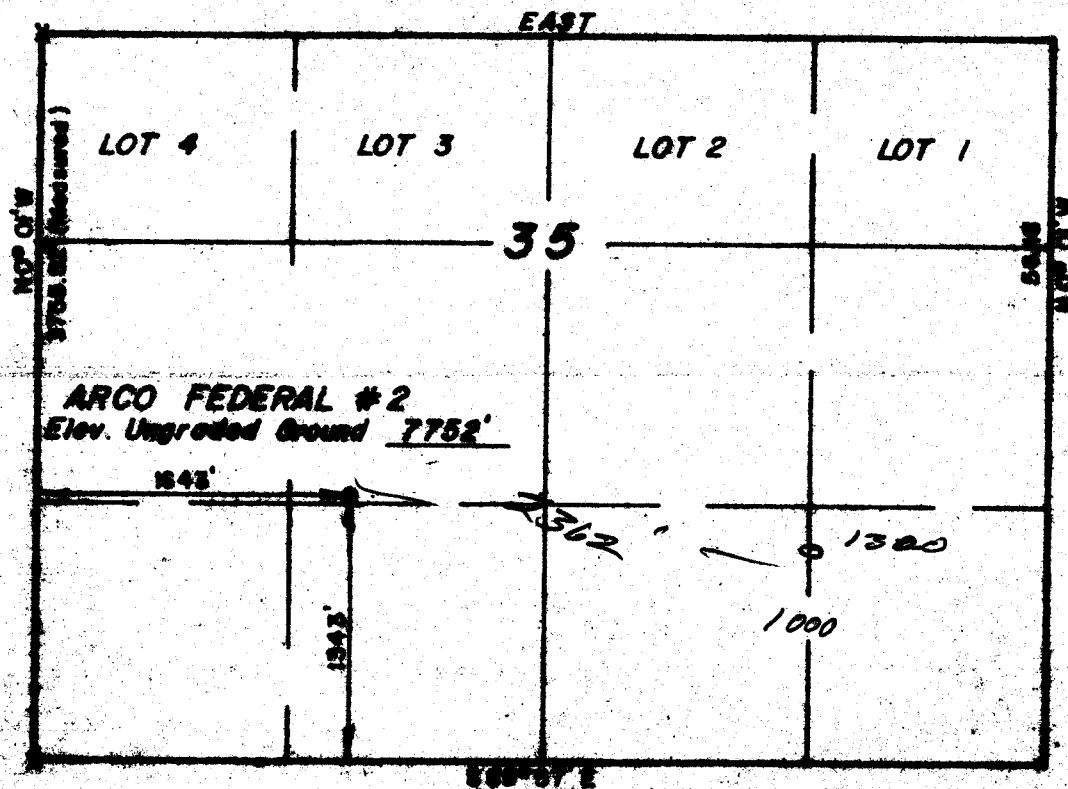
BY: M. J. Wender

T15N2S, R24E, S.L.B. & M.

PROJECT

DEGARD RESOURCES INC.

Well location, **ARCO FEDERAL #2**, located as shown in the NE 1/4 SW 1/4 Section 35, T15N2S, R24E, S.L.B. & M., Grand County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John L. [Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UNTAH ENGINEERS & LAND SURVEYORS
P.O. BOX 4 - 20 SOUTH - 200 EAST
VERNAL, UTAH - 84076

SCALE	DATE
1" = 100'	8 / 17 / 81
PARTY	REFERENCE
LOT 35	200 EAST
WEATHER	7752'

X = Station Closures Located

ODEGARD RESOURCES INC.

ARCO FED. #2

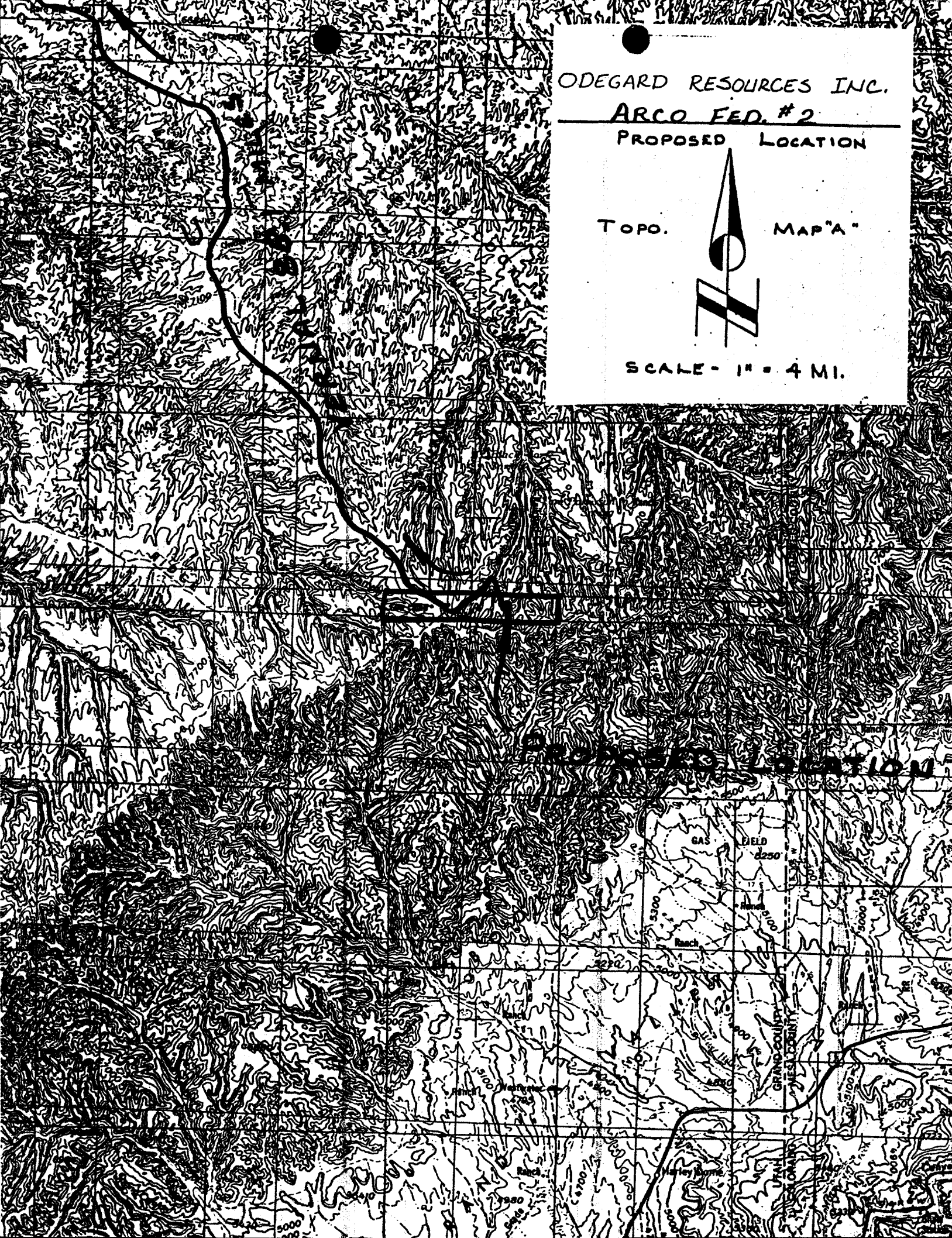
PROPOSED LOCATION

TOPO.

MAP "A"



SCALE - 1" = 4 MI.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Odegard Resources, Inc.

3. ADDRESS OF OPERATOR

3070 One Denver Place, 999-18th Street, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1343' FSL & 1643' FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Location is 59.9 miles from Fruita, Colorado

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1343'

16. NO. OF ACRES IN LEASE

454.24

17. NO. OF ACRES ASSIGNED

TO THIS WELL

227.12

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

7150'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7752' GR

22. APPROX. DATE WORK WILL START*

December 1, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" New	36# K-55 8rd	200'	200 sx. Class "G" w/ 2% CaCl
8-3/4"	7" New	23# K-55 8rd	3500'	Class "G" w/ 2% CaCl
6-1/4"	4-1/2" New	11.6# N-80 8rd	7150'	50-50 poz w/ 2% Gel, 5% KCL

1. Drill 12-1/4" hole and set 9-5/8" surface casing to 200' with good returns.
2. Drill 8-3/4" hole and set 7" intermediate casing and cement.
3. Log B.O.P. checks in daily drill reports and drill 4-1/2" hole to 7700'.
4. Run tests if warranted and run 6-1/4" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

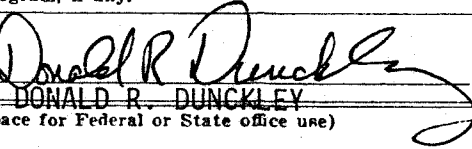
EXHIBITS ATTACHED

Location and Elevation Plat
The Ten-Point Compliance Program
The Blowout Preventer Diagram
The Multi-Point Requirements for A.P.D.
Access Road Maps to Location
Radius Map of Field
Drill Pad Layout, and Cut-Fill Cross Sections
Drill Big Layout

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED


DONALD R. DUNCLEY

TITLE

Engineer

DATE August 29, 1981

PERMIT NO.

APPROVAL DATE

APPROVED BY



TITLE

for E. W. Gwynn
District Oil & Gas Supervisor

DATE

NOV 05 1981

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

TO OPERATOR'S COPY

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

State of G

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Odegard Resources, Inc.
Project Type Gas Well
Project Location 1343' FSL 1643' FWL Section 35, T. 15 $\frac{1}{2}$ S, R. 24E
Well No. Arco Federal #2 Lease No. U-13919
Date Project Submitted August 31, 1981

FIELD INSPECTION

Date September 15, 1981

Field Inspection
Participants

Greg Darlington	USGS, Vernal
Cory Bodman	BLM, Vernal
Don Dunckley	Odegard Resources
Mrs. Don Dunckley	Odegard Resources
Leonard Lewis	Galley Construction
Bob Jones	Mountain Fuel Supply and ARCO

Related Environmental Documents: Unit Resource Analysis, Seep Ridge Planning
Unit, BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

October 27, 1981

Date Prepared

Gregory Darlington

Environmental Scientist

I concur

OCT 29 1981

Date

W. W. Monte

FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR

District Supervisor

Typing In 9-17-81 Typing Out 9-17-81

PROPOSED ACTIONS:

Odegard Resources plans to drill the ARCO Federal #2 well, a 7150' gas test of the Dakota and Morrison formations. A new access road of 200' length will be required. A suitable drainage crossing probably with a culvert 30" diameter or larger will be needed. An area of operations 215' by 350' was requested for the pad and reserve pits at the onsite meeting. The pad was rotated about 22° to better balance cuts and fills and improve the pad design for the rig anticipated. A gas flowline hookup with existing facilities at the State well Arco owns in Section 2, T. 16 S., R. 24 E., was discussed at the onsite. The route would follow existing and proposed well service roads.

RECOMMENDED APPROVAL CONDITIONS:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD:

1. BLM Stipulations
2. Lease Stipulations
3. Provide adequate logs for the identification of other minerals as requested in the Mineral Evaluation Report and Mining Report.

4. The approval of this APD is contingent upon the establishment of production at the Arco Federal #1 well in the SE 1/4 SE 1/4 Section 35, T. 15 1/2 S., R. 24 E.. (Conversation with Bill Martens September 16, 1981 brought this out.)



Odegard Arco #2
North View



Near the Pad of
Arco #2 Odegard
Drainage Crossing

FIELD NOTES SHEET

Date of Field Inspection: September 15, 1951

Well No.: Arco Federal #2

Lease No.: V-13919

Approve Location: Rotate 22° to avoid cutting too much in mountainside extend length by 50' for rig up

Approve Access Road: all major drainage crossing with about a 30" culvert to place

Modify Location or Access Road: New dimensions 215' X 350'

Existing Road may require 1 mile of minor upgrading and regular maintenance to the better developed wider road at South Canyon.

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Lease Expires 2/28/81

Comments and special conditions of approval discussed at onsite: (include local topography) Moved stake (7) about 60' in the desired direction →

Gas flaring to cross existing road and proceed up the canyon

to reach existing facilities at the Arco 2-2 lease ML 22208.

R.O.W. application needed. B.B. Hendricks Henricks and Odegard could apply for the R.O.W. on behalf of Arco.

Hidreout Canyon. Roundoff corner 8 and pit corner A as much as necessary. access road some place. about a 30" culvert across the drainage. 200' strip needed.

2 Arco
30
175 =
22°
station

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety							1, 2, 4, 6	September 15, 1951	
Unique charac- teristics							1, 2, 4, 6		
Environmentally controversial							1, 2, 4, 6		
Uncertain and unknown risks							1, 2, 4, 6		
Establishes precedents							1, 2, 4, 6		
Cumulatively significant							1, 2, 4, 6		
National Register historic places							1, 6		
Endangered/ threatened species							1, 6		
Violate Federal, State, local, tribal law							1, 2, 4, 6	✓	

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *Onsite Requirements other than the items 1-7.*

VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

October 23, 1981

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Odegard Resources, Inc.
Arco Federal #2
Sec. 35, T15S, R24E
#U-13919
Grand County, Utah

Dear Sir:

A joint field examination was made on September 15, 1981, of the above referenced well site location and proposed access road. We feel that the surface use and operating plans are adequate with the following revisions and stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas and construction of pipeline routes, shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration."
2. Traveling off access road right-of-ways will not be allowed. The maximum width of access pads (both existing and planned) will be 30 feet total disturbed area. Roads will be crowned and properly maintained. Turn-outs will not be required.
3. The BLM will be notified a least 24 hours prior to any construction.
4. Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well sites. Refuse must be contained in trash cages and hauled to an approved disposal site.
5. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.
6. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding or restoration requirements.
7. PR Spring may not be used as a water source.
8. The pad was rotated 25°.

9. The top 3 inches of topsoil will be stockpiled near referenced corner #7.
10. In order to minimize watershed damage, exploration, drilling, and other development activity will be allowed only during the period from April 30 to November 1. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically authorized in writing by the District Engineer, Geological Survey, with the concurrence of the District Manager, Bureau of Land Management.

We have received a water agreement on October 19, 1981 between Donald C. Hatch and Donald R. Dunckley, representing Odegard Resources, Inc. for the use of water in drilling of the above mentioned well.

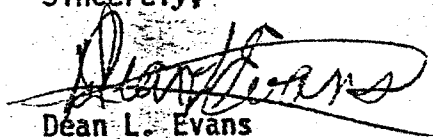
This office has no objections to the proposed flowline route as discussed at the joint on-site.

We have received a cultural clearance report for the pad, access road, and proposed pipeline route. No cultural materials were found.

The proposed activity does not jeopardize listed, threatened, or endangered flora, fauna, or their habitats.

The BLM representative will be Cory Bodman, 789-1362.

Sincerely,


Dean L. Evans
Area Manager
Bookcliffs Resource Area

cc: USGS, Vernal

CBodman:1777

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 4243427OPERATOR: Cosaba Resources WELL NO. 3134-51/2-25LOCATION: Chase SW 1/4 sec. 34, T. 41S, R. 25E, SLMUintah County, Utah

1. Stratigraphy:

Green River	surface
Mesaverde	~ 1250'
Mancos	3625'
Castlegate	3775'
Mancos B	4540'
Box Mancos B	5300'

Dakota	7385'
Cedar Mtn.	7540'
<u>TD</u>	<u>8150'</u>

2. Fresh Water:

Fresh water may occur in near surface Green River sandstones.

3. Leasable Minerals:

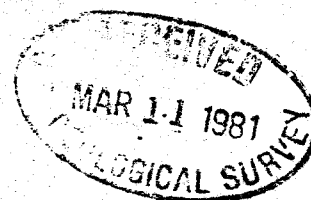
Coal: Lower Mesaverde (2600' to 3500')

Gas: Dakota, Mancos B

4. Additional Logs Needed: Adequate5. Potential Geologic Hazards: None expected

6. References and Remarks:

Signature:

Gregory W. WoodDate: 2-27-81

TEN-POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
Odegard Resources, Inc.
#2 ARCO - Federal
Sec. 35 T15 $\frac{1}{2}$ S R24E
1343' FLL & 1643' FWL
Grand County, Utah

1. The Geologic Surface Formation

The surface formation is the Wasatch.

2. Estimated Tops of Important Geologic Markers

Mesaverde	1140'
Castlegate	3065'
Mancos	3145'
Dakota	6785'
Morrison	6950'
Total Depth	7150'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

Castlegate	3065'	Water
Dakota	6785'	Gas
Morrison	6950'	Gas

4. The Proposed Casing Program

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>SECTION LENGTH</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE & JOINT</u>	<u>NEW OR USED</u>
12-1/4"	0-200'	200'	9-5/8"	36# K-55 8rd	New
8-3/4"	0-3500'	3500'	7"	23# K-55 8rd	New
6-1/4"	0-7150'	7150'	4-1/2"	11.6# N-80 8rd	New

Cement Program:

Surface casing - 200 sacks Class "G" with 2% CaCl.

Intermediate casing - Class "G" with 2% CaCl, 2 centralizers

Production casing - 50-50 poz mix with 2% Gel, 5% KCL, 3/4% NFR-1 (centralize through pay, displace amount at \pm 6 BPM and reciprocate pipe).

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to half of working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams and annular preventer each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling report.

Accessories to BOP will include an upper and lower kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of the Proposed Circulating Muds

Mud system will be gel-chemical with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

<u>DEPTH</u>	<u>TYPE</u>	<u>WEIGHT #/gal.</u>	<u>VISCOSITY sec./qt.</u>	<u>FLUID LOSS cc.</u>
0-200'	Spud	9.0-9.2	40	---
200-3500'	Mud	9.0	40	10
3500-7150'	Air or Air mist	---	--	---

7. The Auxiliary Equipment to be Used

- (a) An upper and lower kelly cock will be kept in the string.
- (b) A float will be used at the bit.
- (c) Neither a mud logging unit nor gas detecting device will be monitoring the system. Mud will be monitored visually.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, Logging and Coring Programs to be Followed

- (a) No drill stem tests are anticipated.
- (b) The logging program will consist of the following:
 - DIL - GR: TD-int. csg.
 - SNP-GR: TD-6400' (Dakota); 4800' - int. csg (Mancos "B")
 - FDC - GR: TD-6400', 4800' - int. csg.(Note: if necessary to mud up hole, CNL will be substituted for SNP)
- (c) No coring is anticipated.
- (d) Completion program will be to acidize with 500 gals. 7-1/2% HCL; fracture with 65,00 gals. 75 quality foam and 65,000# 20/40 sand. Appropriate Sundry Notice will be submitted.

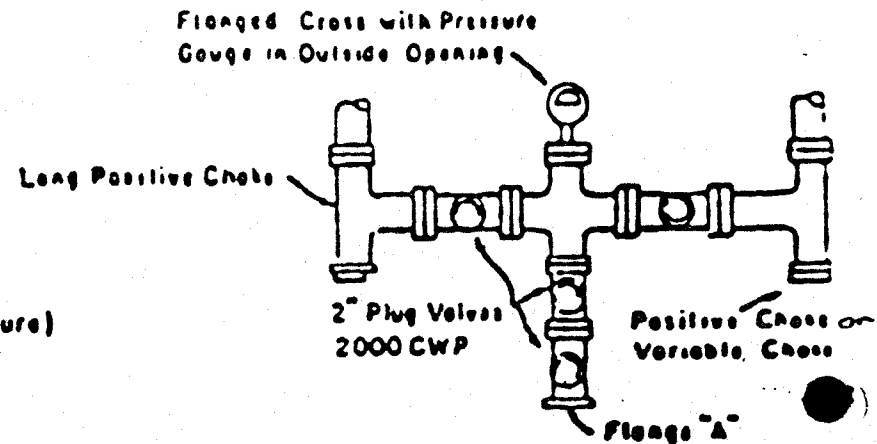
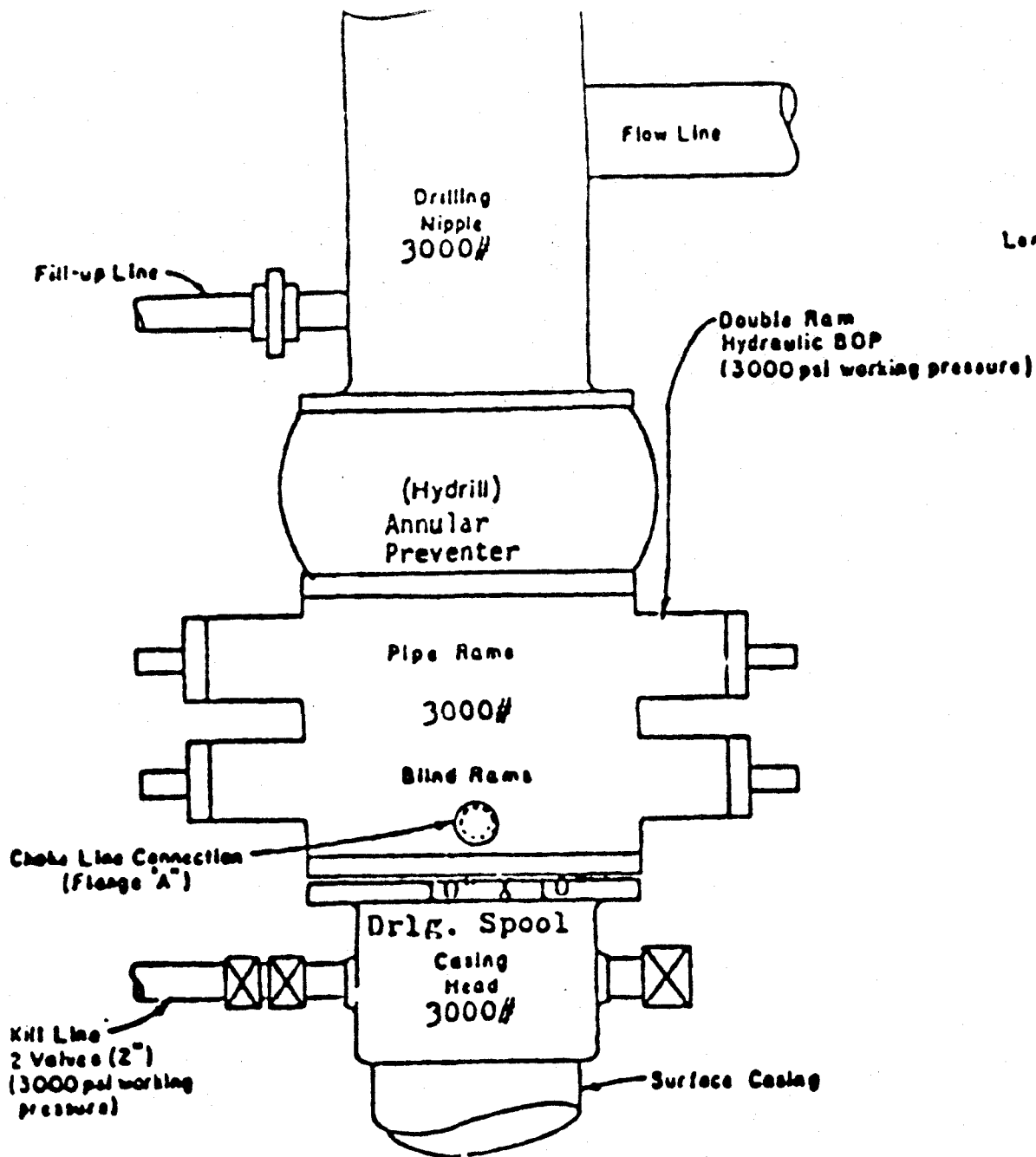
9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 1150 psi \pm .

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date will be approximately December 1, 1981 if weather conditions permit. Operations should be completed within 30 days after spudding the well and drilling to the casing point.



PLAN VIEW-CHOKE MANIFOLD

ODEGARD RESOURCES INCORPORATED

13 Point Surface Use Plan

For

Well Location

Arco Federal #2

Located In

Section 35, T15 1/2S, R24E, S.L.B. & M.

Grand County, Utah

ODEGARD RESOURCES INCORPORATED

13 Point Surface Use Plan

For

Well Location

Arco Federal #2

Located In

Section 35, T15 1/2S, R24E, S.L.B. & M.

Grand County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach ODEGARD RESOURCES INCORPORATED well location site Arco Federal #2, located in the NE 1/4 SW 1/4 Section 35, T15 1/2S, R24E, S.L.B. & M., Grand County, Utah from Vernal Utah:

Proceed West from Vernal, Utah along U.S. Highway 40 - 14 miles to the junction of this highway and Utah State Highway 88 that exist to the South. Proceed South along Utah State Highway 88 - 17.8 miles to Ouray, Utah. Proceed South from Ouray along the Uintah County Road (of which the first 12 miles is paved and the rest an improved dirt road), 53 miles to PR. Springs; proceed Easterly along a improved dirt road that is called the McCook Ridge road 1.3 miles to the junction of this road and an existing road to the North up South Canyon; proceed North along this road 2.1 miles to the junction of this road and an existing road to the Southeast; proceed East-Southeast 1.0 miles to its junction with the proposed access road (to be discussed in Item #2).

The highway mentioned in the foregoing paragraph is bituminous surfaced roads to Ouray, Utah at which point the road is surfaced with native asphalt for approximately 12 miles, and then is improved dirt.

There will be no construction on the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and the production phase, of this well at such time that production is established.

The highways mentioned above are under Utah State jurisdiction and are maintained by State Road Crews. The County roads are constructed of native asphalt (partially) and is maintained by County Road crews.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned road leaves the existing road described in Item #1 in the NE 1/4 SW 1/4 Section 35, T15 1/2S, R24E, S.L.B. & M., and proceeds in a Easterly direction approximately 200 \pm to the proposed location site.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1-1/2 to 1 slopes and terraced.

There will be no culverts required along this access road.

There will be no turnouts required along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattleguards required.

Most lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. It is sparsely vegetated with sagebrush and grasses.

3. LOCATION OF EXISTING WELLS

There are no known existing wells within a one-mile radius of the proposed location site.

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are no existing batteries, production facilities, gas gathering lines, injection or disposal lines within a one-mile radius of this location site which belongs to ODEGARD RESOURCES INCORPORATED.

In the event that production of oil from this well is established then the existing area of the location will be utilized for the establishment of the necessary production facilities.

This area will be built, if possible, with native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities if deemed necessary by the controlling agencies involved.

In the event that the production of natural gas is established, the pipeline will be laid as shown by Mesa Pipeline.

The rehabilitation of the disturbed area that is not required for the production of this well, will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

The anticipated water supply for this location is from South Canyon and arrangements will be made with Donald C. Hatch prior to spudding.

If this water source is not available then the necessary arrangements will be made to acquire the water needed for the drilling and production of this well and all agencies involved will be notified of any changes.

All regulation and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

All appropriate permits will be acquired and submitted to the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site shall be borrow material accumulated during construction of the location site. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable trash basket will be placed on the location site and all trash will be hauled to the nearest Sanitary Land Fill.

A portable chemical toilet will be provided for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area -- (See Topographic Map "A").

The terrain of the general area slopes from the rim of the Book Cliff Mountains to the North to the Colorado River to the South and is a portion of the East Tavaputs Plateau.

The area is interlaced with numerous canyons and ridges formed by the non-perennial streams and washes. The sides of the hills and canyons are rather steep and outcrops of sandstones, conglomerate, and shale deposits, are common in the area forming ledges and cliffs along the sides of the canyons.

The visible geologic structures in the area are of the Tuscher Formation Tertiary Period and the Wasatch Formation also of the Tertiary Period.

The major drainage in the area with a year-round flow is the West Water Creek to the South.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous drainages in surrounding area are of non-perennial nature flowing only during the early spring run-off and extremely heavy rain storms of long duration. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Due to the low precipitation average, climatic conditions and the types of soils, the vegetation that is found in the area are common of the semi-arid regions we are located in, and consists of juniper and pinion pine trees, sagebrush, scrub oak, shadscale, and bitterbrush, and some grasses and cacti as the primary flora.

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents and various forms of reptiles.

The area is used by man for the primary purpose of grazing domestic livestock and sheep.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B").

Arco Federal #2 location site sits on the top of a ridge above South Canyon to the West.

The visible structure of the location is of the Tuscher Formation and consists of brownish-gray sandy-clay (SP-CL) with some shale outcrops.

The ground slopes from the East through the location to the West at approximately a 11.5% grade.

The location is covered with juniper and pinion pine trees, scrub oak, sagebrush, and grasses.

There are no occupied dwellings or other facilities of this nature in the general area. There is however a radio facility site within a one mile radius of this location site.

ODEGARD RESOURCES INCORPORATED
Arco Federal #2
Section 35, T15 1/2S, R24E, S.L.B. & M.

There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Don Dunkley
ODEGARD RESOURCES INCORPORATED
2004 Wood Court
Grand Junction CO 81503

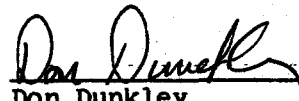
1-303-243-3846

13. CERTIFICATION

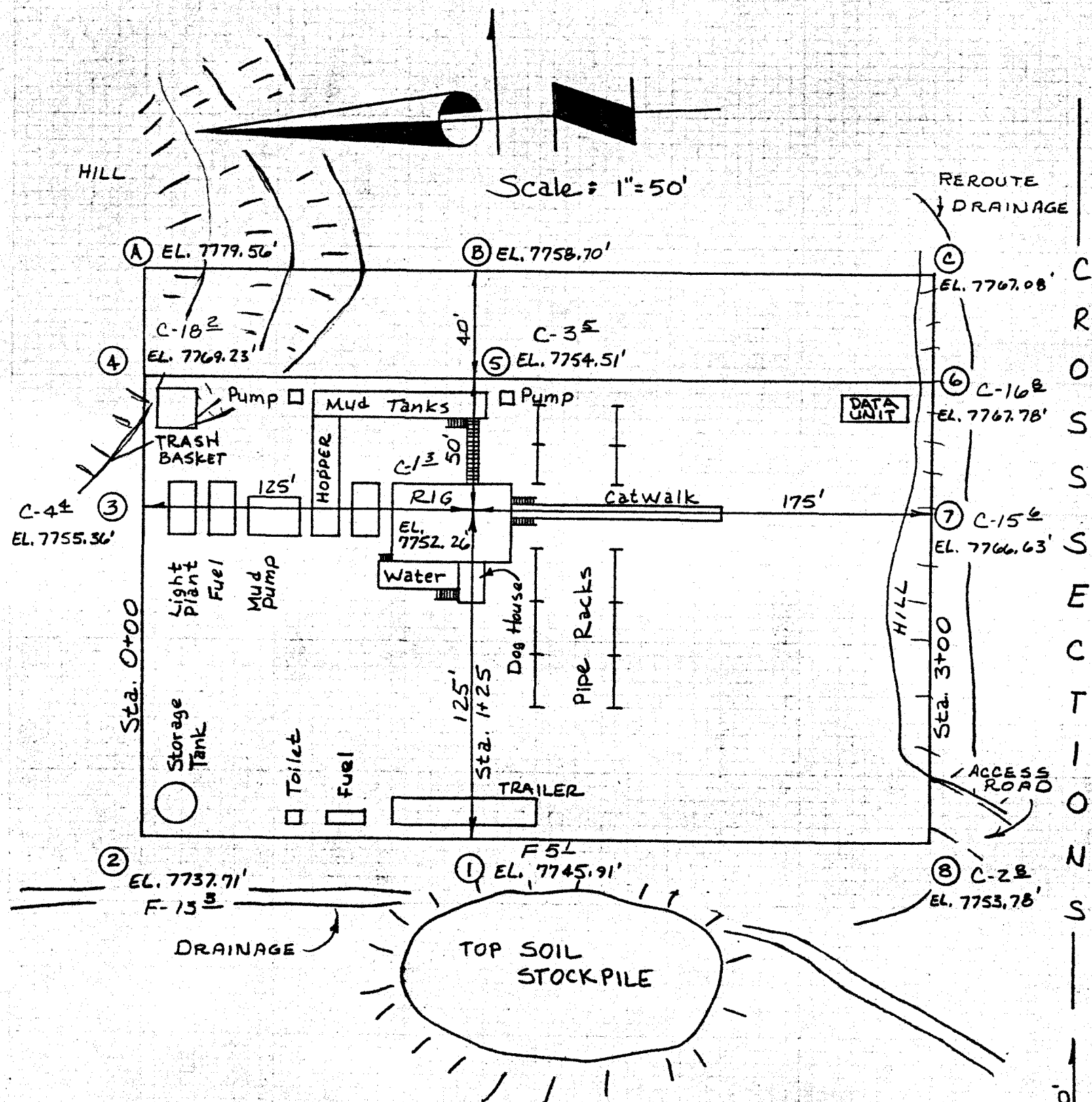
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by ODEGARD RESOURCES INCORPORATED and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date

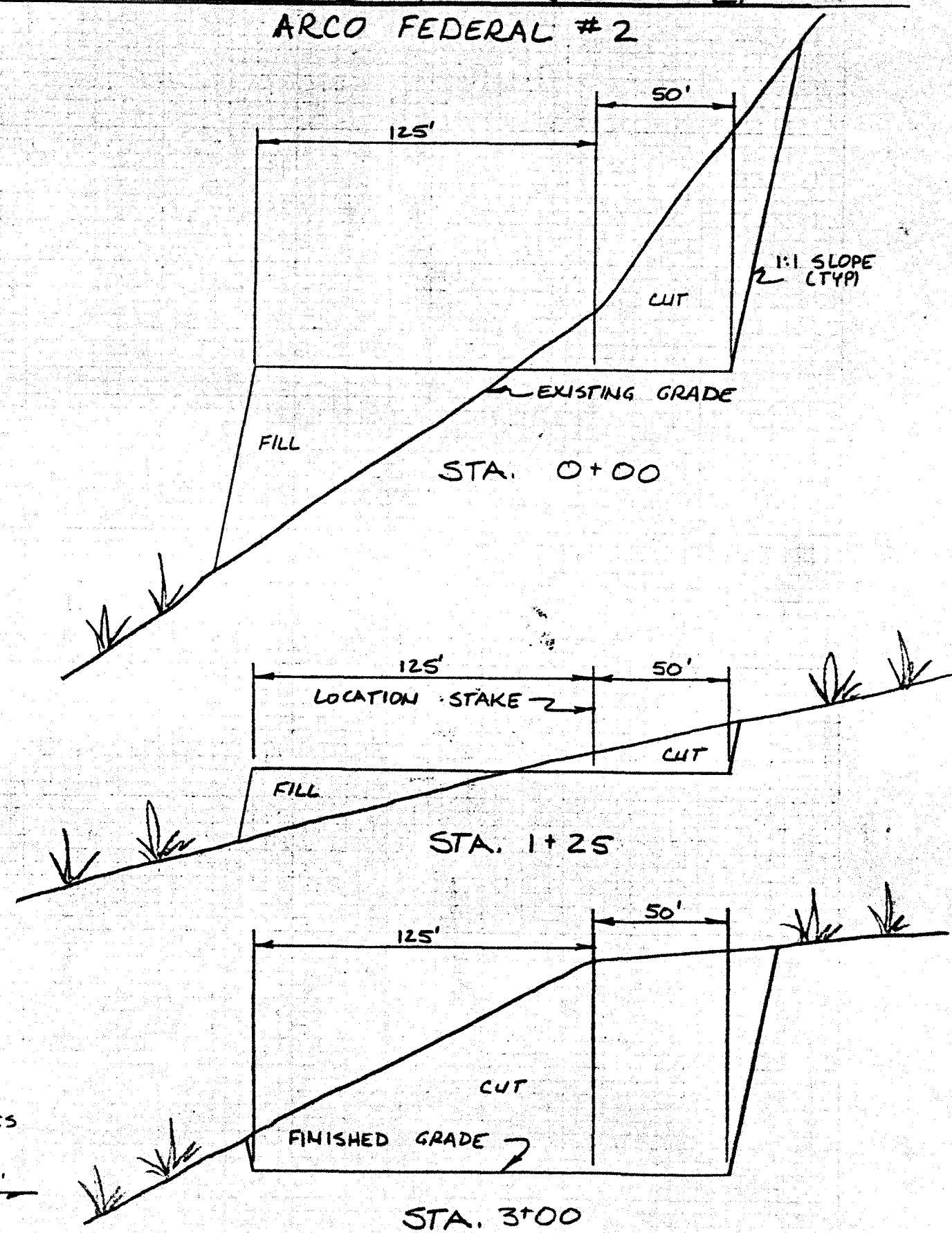
8/29/81


Don Dunkley
Consulting Engineer

ODEGARD RESOURCES INC.
ARCO FEDERAL #2



SCALES
1" = 10'
1" = 50'

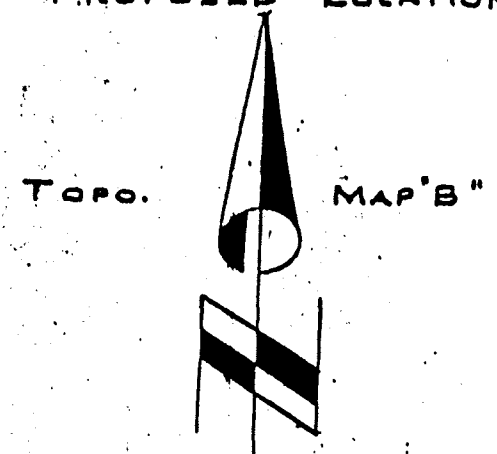


APPROX. YARDAGES

CU. YARDS CUT = 9564.81
CU YARDS FILL = 3238.38

ODEGARD RESOURCES INC.
ARCO FED. #2

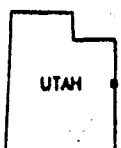
PROPOSED LOCATION



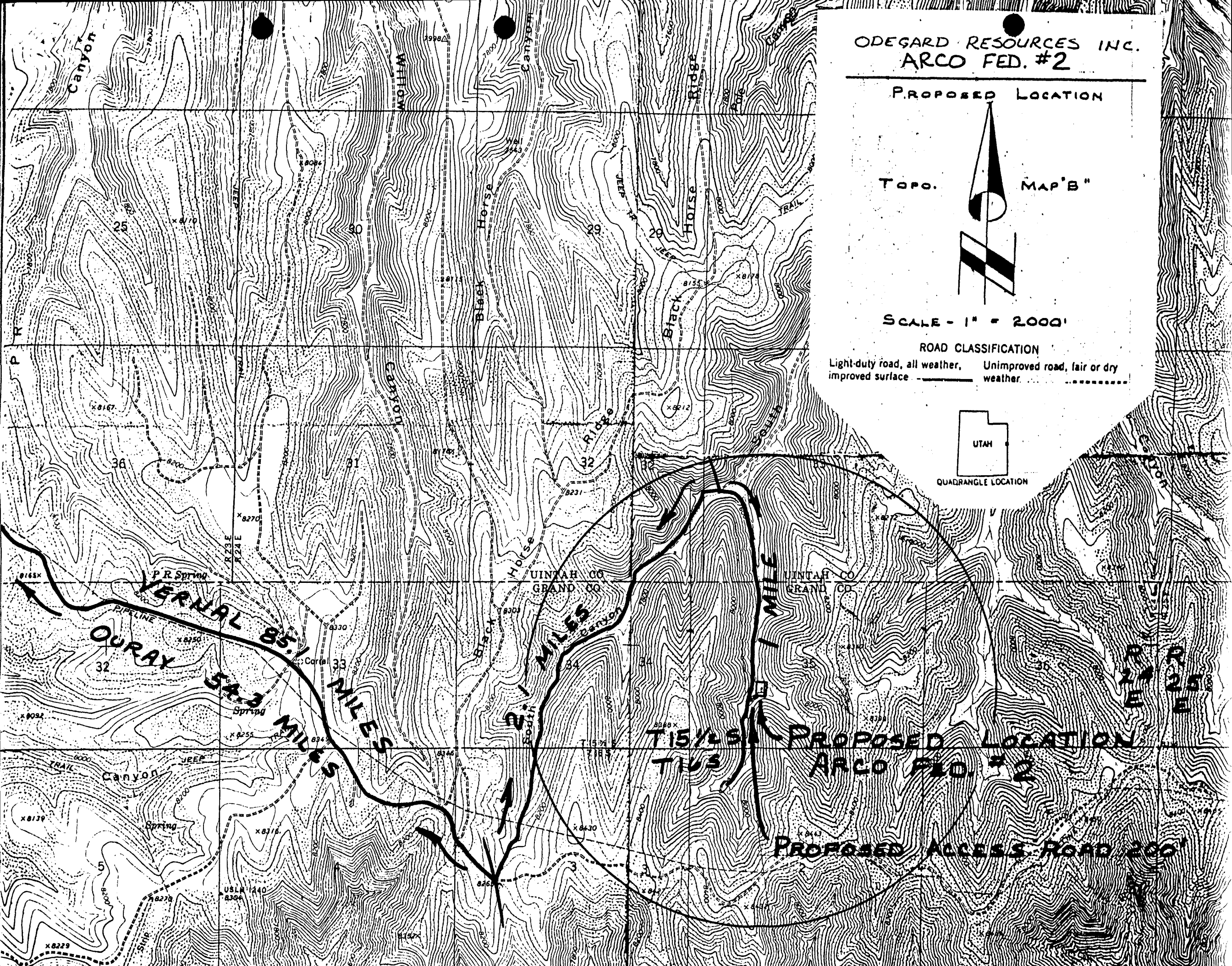
SCALE - 1" = 2000'

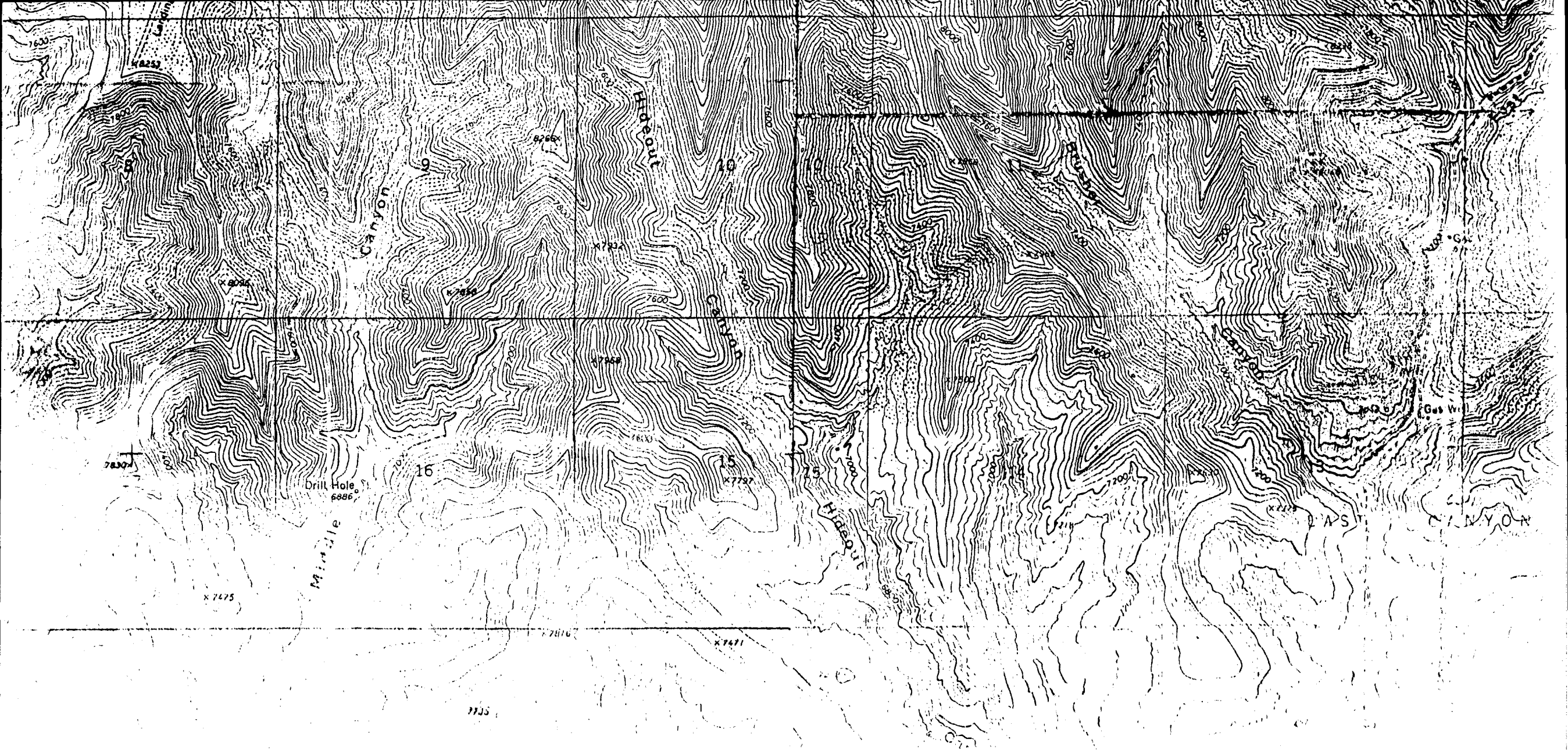
ROAD CLASSIFICATION

Light-duty road, all weather, improved surface ————— Unimproved road, fair or dry weather



QUADRANGLE LOCATION





** FILE NOTATIONS **

DATE: Sept. 29, 1981

OPERATOR: Odegal Resources, Inc.

WELL NO: Arco-Federal #2

Location: Sec. 35 T. 15 1/2 S R. 24 E County: Grand

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-019-30856

CHECKED BY:

Petroleum Engineer: M.S. Minder 10-5-81
Well to be designated for drilling unit in E/2 of
Section 35

Director: _____

Administrative Aide: ~~As per Rule C-3(c) under topog. ex.~~
~~move location, to close to proposed gas well in SE 1/4,~~

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. 149-11 9/24/81

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site ☐

Lease Designation Fed

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☐

P.I. ☐

October 7, 1981

Odegard Resources, Inc.
3070 One Denver Place,
999-18th Street
Denver, Colo. 80202

RE: Well No. Arco Federal #2,
Sec. 35, T. 15½S, R. 24E,
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 149-11, dated August 24, 1981. This well is to be designated for the drilling unit in the E½ of Section 35.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30856.

Sincerely,

DIVISION OF OIL, GAS AND MINING



Michael T. Minder
Petroleum Engineer

MTM/db
CC: USGS

NOTICE OF SPUD

Caller: Don Dunkley - Odegaard Resources
Phone: _____

Well Number: Acad Fed # 2

Location: Sec. 35- 15 1/2 S-24 E NESW

County: Grand State: Utah

Lease Number: U-13919

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 6:00 P.m. 11-22-81

Dry Hole Spudder Rotary

Details of Spud (Hole, Casing, Cement, etc.) _____

200' 9 5/8" 12 1/4" hole

Rotary Rig Name & Number: Nico Rig 44

Approximate Date Rotary Moves In: 11-22-81

FOLLOW WITH SUNDRY NOTICE

Call Received By: Deane

Date: Nov 23, 1981

cc: Vernal
S & G.
TAM
DD
APP Control

RECEIVED
NOV 27 1981

DIVISION OF
OIL, GAS & MINING



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 3, 1982

Odegard Resources, Inc.
3070 One Denver Place
999 18th Street
Denver, Colorado 80202

Re: Well No. Arco Federal #2
Sec. 35, T. 15½S, R. 24E
Grand County, Utah
(December 1981)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the month indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 5, 1982

Odegard Resources, Inc.
3070 One Denver Place
999 18th Street
Denver, Colorado 80202

Re: Well No. Arco Federal #2
Sec. 35, T. 15½S, R. 24E.
Grand County, Utah
(January- April 1982)
SECOND NOTICE

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

** If we do not hear from your office within fourteen days, this file will be turned over to the attorney at the Division of Oil, Gas, and Mining for legal action.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

ODEGARD RESOURCES, INC.; 3070 One Denver Place;

3. ADDRESS OF OPERATOR

999 18th Street; Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

1343' FSL & 1643' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7752' GR

5. LEASE DESIGNATION AND SERIAL NO.

U-13919

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

ARCO Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

East Canyon Field

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NE SW Sec. 35-15 $\frac{1}{2}$ -24E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Resume Operations

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Subject well was spudded on 11/22/81, and drilled to a TD of 7475' with rig released, on 12/15/81. The operations were then suspended, due to the BLM winter shut-down area.

On 5/10/82, a completion unit was moved in, and a completion attempt is now being made.

RECEIVED

MAY 17 1982

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

D. R. Dunckley
D. R. Dunckley

TITLE Engineer

DATE May 12, 1982

(This space for Federal or State office use)

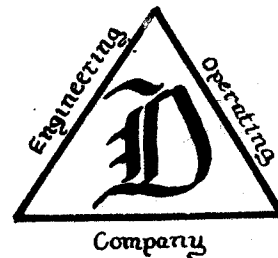
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



June 8, 1982

UNITED STATES GEOLOGICAL SURVEY
1745 W. 1700 S.; Suite 2000
Salt Lake City, Utah 84104

Attention: Mr. Edgar Guynn

Re: ARCO Federal #2
Sec 35-T15½S-R24E
Grand County, Utah

Dear Mr. Guynn,

Please hold subject well tight as long as the rules allow.

We expect to have the well on production next week, and will start production reports to you in July.

Sincerely,


Donald R. Dunckley

DRD/m

Enclosures: 2

cc: Utah State Division of Oil, Gas, & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Odegard Resources, Inc.
999 18th Street
Denver, Colorado 80202

RECEIVED

JUN 11 1982

DIVISION OF
OIL, GAS & MINING

TIGHT HOLE
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U-13919

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

ARCO Federal

9. WELL NO.

#2

10. FIELD AND POOL, OR WILDCAT

East Canyon WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREANESW Sec. 35-T15 $\frac{1}{2}$ S-R24E12. COUNTY OR
PARISH

Grand

13. STATE

Utah

1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

ODEGARD RESOURCES, INC.; 3070 One Denver Place

3. ADDRESS OF OPERATOR

999 18th Street; Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1343' FSL & 1643' FWL

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

43-019-30856

DATE ISSUED

10/5/81

15. DATE SPUDDED

11/22/81

16. DATE T.D. REACHED

12/14/81

17. DATE COMPL. (Ready to prod.)

5/18/82

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

7752' GR 7772' KB 7752'

20. TOTAL DEPTH, MD & TVD

7475' KB

21. PLUG, BACK T.D., MD & TVD

7390' KB

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

all

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6980' - 7004'

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL-FDC DIL-GR

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	213'	12 1/4"	160 sxs.	none
7"	23#	3515'	8 3/4"	170 sxs.	none
4 1/2"	11.6#	7474'	6 1/4"	180 sxs.	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	6903.48'	none

31. PERFORATION RECORD (Interval, size and number)

6980', 82, 84, 86, 88, 90, 92, 94,
96, 98, 7000', 02, 04. 1 jsfp 13
shots - .32" holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6980'-7004'	Frac w/80 tons CO ₂ 88000# sand & 961 bbls KCI water.

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
none							Flow	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
5/18/82	24	NA	→	0	950	0	NA	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
250	400	→	0	950	0	NA		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented during test.

TEST WITNESSED BY

D. R. Dunckley

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Engineer

DATE 6/8/82

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE MEAS. DEPTH
Dakota	6872'	6994'	Hit gas while drilling with air from 6972' - 6985'. 40' flare depleted to "occasionally lights" while drilling.	Bucktongue	2890'	same
				Castlegate	3164'	same
				Mancos	3234'	same
				Dakota Silt	6812'	same
				Dakota Form.	6872'	same
				Buckhorn	6994'	same
				Morrison	7038'	same
				DTD	7475'	same
				LTD	7482'	same



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 16, 1982

Odegard Resources, Inc.
999 18th Street
3070 One Denver Place
Denver, Colorado 80202

Re: Well No. Arco Federal #2
Sec. 35, T. 15 1/2 S, R. 24E.
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office June 8, 1982, from above referred to well, indicates the following electric logs were run: CNL-FDC, DIL-GR. As of today's date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

P

Odegard Resources, Inc.

3070 ONE DENVER PLACE

999 18TH STREET

DENVER, CO 80202

303-623-4732

TRANSMITTAL FORM

TO: State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Arco Federal #2
Sec. 35-15½S-24E
Grand County, Utah

Material: One copy of electric logs: CNL-FDC and DIL-GR.

BY: Karen Larson

DATE: August 18, 1982

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

100730

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Odegard Resources, Inc.		U 13919
3. ADDRESS OF OPERATOR C/o Omni Exploration 1989 Camero Ave., Suite B, Columbus, Ohio 43207		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N.A.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1343' FSL, 1643' FWL (NE/4 SW/4 Sec. 35)		7. UNIT AGREEMENT NAME N.A.
14. PERMIT NO. 4301930856	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7752' GL; 7772' K.B.	8. FARM OR LEASE NAME Arco Federal
		9. WELL NO. 2
		10. FIELD AND POOL, OR WILDCAT East Canyon
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 35, T15½S, R24E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Subject well was abandoned under BLM surveillance as per the attached, detailed, chronological report. A total of 224 sacks of Portland cement was used.

RECEIVED
SEP 24 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Herbert C. Gleason, P.E.

TITLE Consulting Engineer & Agent

DATE August 25, 1986

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 10-3-86

BY: John R. Baya

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Telephone (303) 242-8271

GLEASON ENGINEERING
Petroleum & Energy Consultants

HART C. GLEASON
Registered Professional Engineer
711 Daniel Drive
Grand Junction, Colorado 81501 81506

ODEGARD RESOURCES

- Arco Federal #2

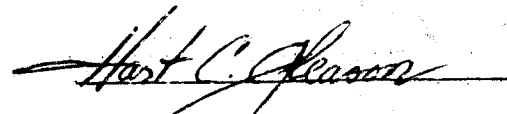
NE/4 SW/4 Sec. 35, T15½S, R24E

Grand County, Utah

Elevations: 7752' GL; 7772' K.B.

CHRONOLOGICAL REPORT OF ABANDONMENT

August 13 through August 22, 1986


Hart C. Gleason, P.E.

ODEGARD RESOURCES
Arco Federal #2
NE/4 SW/4 Sec. 35, T15 $\frac{1}{2}$ S, R24E
Grand County, Utah
Elevations: 7752' GL; 7772' K.B.

August 13, 1986 (Wednesday)

Crew arrived at Arco Federal #1 location for rig down and move. Extremely bad weather; hail and rain.

August 14, 1986 (Thursday)

Rigged down and moved rig and equipment to Arco Federal #2. Continued bad weather. More hail and rain slowed operations. Everything (rig, trailers, generator, camp) moved to Arco Federal #2.

Moved 7 joints 2 3/8" EUE tubing from Federal #1 location to Arco Federal #2.

August 15, 1986 (Friday)

0700 hrs. Rig up. Unload cement and mud materials. Ordered water truck. Opened well up for blowdown. Finally killed well with 50 bbls. water. Picked up on tubing to be certain it was free. Bottom of tubing reported at 6857' K.B. Picked up additional joint tubing and tagged sand 20' down--i.e. @6877' K.B.

1600 hrs. Introduced some LCM and filled hole. Mixed and pumped 15 sack cement plug. Displaced with 26 bbls. water.

1700 hrs. Pulled and laid down 60 joints 2 3/8" EUE tubing.
to
1930 hrs.

August 16, 1986 (Saturday)

0700 hrs. Mixed mud in preparation for circulating hole.

Ran down hole with tubing and tagged bottom cement plug at 6630'. Therefore, plug is from 6857' up to 6630'. Pulled up to pump down tubing to circulate the hole. Apparently plugged the tubing with tag. Unable to clear tubing with 2000 psig.

Filled annulus with mud.

0930 hrs. Start P.O.H. tallying tubing. Recovered 213 joint (6868.63' overall). Tubing is very crooked. Indicates very rough use during workovers. The tubing will probably require shop straightening and some re-threading prior to sale.

1300 hrs. Nippled down wellhead enough to expose the 4 $\frac{1}{2}$ " casing. Dug bell hole

August 16, 1986 (Saturday) continued

out around bradenhead enough to expose flange that will permit access to the 7" intermediate casing.

1700 hrs. Welded on 4½" pickup joint. Rigged up hydraulic jacks. Worked 4½" 11.6# casing with jacks to determine free point. Calculated free point at 5900' which checked very closely with CBL cement top at 5980'.

Rigged up dummy weight on wireline and R.I.H. to 5850' Weight went O.K.

1900 hrs. Too late in day to shoot off the 4½" casing.

August 17, 1986 (Sunday) and August 18, 1986 (Monday)

Shut down to give crews some time off and to repair welder and generator.

August 19, 1986 (Tuesday)

0800 hrs. R.I.H. with explosive on wireline. Shot off 4½" 11.6#, N-80 casing at 5427'. P.O.H. with wireline. Worked 4½" casing free.

1900 hrs. Pulled and broke out 90 joints and laid them down on a float.
to Pulled and broke out 8 more joints of 4½" casing and laid them
2030 hrs. out on the ground.

August 20, 1986 (Wednesday)

0700 hrs. Continued pulling and breaking out 4½" 11.6# casing.

0930 hrs. Recovered total of 132 pieces of 4½" casing (5460.02' overall measurement).

Set hydraulic jacks out and rigged up to run 2 3/8" tubing to spot 30 sack cement plug in and out of 4½" casing stub at 5427'.

1300 hrs. R.I.H. with 172 joints of tubing (5520').

Pumped 22 bbls. water ahead to make certain tubing was open.

Mixed and pumped 30 sacks cement. Displaced with 20 bbls. mud.

1445 hrs. Cement spotted from 5520' up to 5320' (in and out of 4½" casing stub).

Note: The mixing and displacement of this plug was witnessed by James Sparger of the Vernal BLM office. There were good returns throughout the mixing and displacement.

Pulled and laid down 59 joints tubing leaving 113 joints in hole with bottom at 3626'.

August 20, 1986 (Wednesday) continued

1600 hrs. Mixed and pumped 37 sack cement plug. Spotted in and out of 7" casing shoe (3515') from 3626' to 3426'. Displaced with 13 bbls. mud.

1645 hrs. Pulled 30 joints tubing. W.O.C. in order to tag plug per BLM requirement. BLM representative remained on location until 2200 hrs.

Surface ^{cement} samples did not justify an attempt to tag the plug as of 10:00 P.M.

2200 hrs. Shut down for night. W.O.C.

August 21, 1986 (Thursday)

0700 hrs. R.I.H. with tubing and had good tag on plug with 105 joints in--i.e. @3369'. Consequently, plug in and out of 7" casing shoe is from 3626' up to 3369'--i.e. 257'.

0800 hrs. Pulled up and attempted to pump down tubing. Apparently tag plugged the open ended tubing. Unable to clear tubing with 1500 psig.

0830 hrs. P.O.H. with a wet string of tubing. Found bottom 12 joints full of partially-set cement. This is hard to understand. Either the open 6¼" hole fell in or the cement channeled upward through heavy gelled mud from behind the 4½" casing.

1130 hrs. Torrential rain and wind. Unable to work.

1330 hrs. Pump out cellar. Remove wellhead to expose 7" intermediate casing. Welded pickup joint on to 7" casing.

Set in the hydraulic jacks in preparation for recovering some of the 7" 23# casing. Pulled 7" slips up out of bowl.

Worked 7" casing with hydraulic jacks. Calculated free point at 1000'. Made dummy run down inside 7" casing to 1000".

1800 hrs. Made up live explosive charge and ran down hole to 963' and detonated shot. 7" casing came free above shot point.

2000 hrs. Pulled, broke out, and laid down 6 joints 7" casing.

August 22, 1986 (Friday)

0700 hrs. Pulled remainder of shot-off 7" casing out of hole. Recovered 25 pieces totalling 955.93 overall. Corrected to threads off measurement and adjusted for K.B., this checks 963' K.B. for the 7" stub.

August 22, 1986 (Friday) continued

- 0930 hrs. R.I.H. with 2 3/8" tubing. Tagged up on 7" casing stub with 30 joints in. Ran total of 33 joints tubing with bottom at 1059'.
- 1100 hrs. Mixed and pumped 60 sack cement plug. Displaced with 3 bbls. mud. Plug spotted in and out of 7" casing stub (at 936') i.e. from 1059' up to 859'.
- 1145 hrs. P.O.H. with tubing until only 10 joints (320') left in hole in preparation for the 72 sack cement plug in and out of the 9 5/8" surface casing shoe at 213'.
- 1230 hrs. Mixed LCM and mud and circulated the hole. Hole staying full. Mixed and pumped 72 sack cement plug. Displaced with 1/3 bbl. mud. Plug spotted in and out of the 9 5/8" surface casing shoe (at 213') from 320' up to 120'.
- 1400 hrs. P.O.H. with tubing.

Rigging down Rippy equipment. Removed bradenhead for salvage.

Mixed 10 sack cement plug for the top of the 9 5/8" 36# surface casing. Welded cap over top of the 9 5/8" casing and set a regulation marker with required well data welded on.

Job completed. Used a total of 224 sacks of cement in plugging this well.

Note: On August 22nd, I was finally able to talk personally with Mr. Greg Darlington, Environmental Scientist, with the Vernal District of the BLM via radio telephone.

I suggested that it would be advantageous if he would inspect the Arco Federal #1 and #2 locations with me while I was in the area so that I would be fully aware of what the BLM expected in the way of surface rehabilitation.

Mr. Darlington informed ^{me} that prior commitments precluded his inspecting the locations at this time. I will attempt to meet with him by appointment on the locations as soon as possible.